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(71)Applicant : MITSUBISHI MATERIALS CORP

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(54) COMPOSITE CALCIUM PHOSPHASTE ARTIFICIAL BONE

(57)Abstract:

PROBLEM TO BE SOLVED: To enable to fit well to shape of a bone deficient part, to have biocompatibility and to excellently form bones in the peripheral part of material.

SOLUTION: A composite calcium phosphate artificial bone has a block-like calcium phosphate artificial bone at its center, and paste-like calcium phosphate arranged in the periphery. The paste-like calcium phosphate comprises calcium phosphate as a main component of power and water as a main component of liquid. The calcium phosphate is one selected from each simple substance of α -tricalcium phosphate or tetracalcium phosphate and mixture thereof, a mixture of α -tricalcium phosphate, tetracalcium phosphate and calcium hydrogenphosphate and/or dicalcium hydrogenphosphate, a mixture of α -tricalcium phosphate and calcium hydrogenphosphate and/or dicalcium hydrogenphosphate, or a mixture of tetracalcium phosphate and calcium hydrogenphosphate and/or dicalcium hydrogenphosphate.

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